

with individuals much heavier. It is caught here in large numbers, for the upper part of the Gulf seems to be its spawning place. They are hauled by trucks to the United States and with the large catch of shrimps furnish a good income for the rapidly growing fishing population. The town has more than doubled the last two years, and substantial buildings are going up. Their water supply came exclusively by tank trucks from a well twelve miles distant until recently when a distilling plant was built.

Being so isolated and new the town cannot take advantage of all its resources. A regular shark fishery is going on with only the livers being utilized. While we were there a truck hauled more than five tons of shark carcasses daily out on the desert for the buzzards to feed upon. A reduction plant would do well.

Time passed all too fast in this, as yet, unspoiled and primitive place, and the time for departure likewise came too fast, so home we went making plans to return there early in the fall when the summer heat is over.

NEW SUBSPECIES OF *HELICOSTYLA* FROM MINDORO, AND OF *POLYGYRA* FROM FLORIDA

BY RALPH W. JACKSON

HELICOSTYLA FLORIDA MESAI, new subspecies

Shell imperforate, solid, rather broadly ovate. Nucleus and early postnuclear whorls are white. Beginning with the third whorl, a white thread-like band appears under the suture and as it approaches the aperture it widens and takes on a creamy tint. Directly under this band is a brown band which also increases in width and darkness of color with each whorl. After the postnuclear whorls the green color appears and this becomes darker as the aperture is approached; the base and the area behind the peristome is a very dark olive green. There is a wide dark columellar area, occupying one-half of the parietal wall. The entire peristome for an area of 3 mm. is brown. The aperture is oblique, broadly oval.

The type no. 184032 ANSP. has 5.5 whorls and is one of four collected by Pedro de Mesa at Bulalacao, southern Mindoro. Length 42 mm.; greater diameter 32 mm.; lesser diameter 28.5

mm. Three other specimens from Bulalacao (in coll. R. W. Jackson) measure: length, 40.5, 36, 39; greater diameter, 34, 32, 32; lesser diameter, 30.5, 27, 27 mm.

Mr. de Mesa also found this subspecies at San José and three specimens from there measure: length, 44.5, 39, 43 mm.; greater diameter, 36.5, 35, 35 mm.; lesser diameter, 32, 30, 31 mm.

This striking race of *H. florida* comes from Southern Mindoro, and differs from all other described forms by its large size, dark green color and brown peristome. Figure will appear in the January NAUTILUS.

POLYGYRA POSTELLIANA HAUSMANI, new subspecies

Shell perforate, slightly convex; after the initial smooth stage of the embryonic shell, the surface is rib-striate above and below with some short deciduous hairs. The oral obstructions are strongly developed with the outer part of the lip sharply bent back in the middle of the peripheral region; the parietal tooth is channeled and enters rather deeply; the outer lip tooth is prominently placed near edge, not deeply immersed.

Height 3.8 mm.; diameter 6.8 mm.; 5 whorls.

The type (184045 ANSP.) was collected along the highway between Perry and Cross City, Florida by Mr. Frank Hausman, for whom the subspecies is named.

This shell differs from *postelliana*, as in the subspecies *subclausa* and *peninsulae*, by the strong development of the oral obstructions and narrow apertural orifice. From *subclausa* it differs by its smaller size and by having the outer lip tooth very much less deeply placed; the parietal tooth enters less deeply. From *peninsulae* it differs in having a rib-striate base and by having the lip tooth not immersed as far. From both subspecies it differs in having short deciduous hairs.

FIVE NEW YARMOUTHIAN PLANORBID SNAILS

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The summer field season of 1947 brought to an advanced stage several years' study of the molluscan fauna associated with the Pleistocene deposits which contain the Pearlette volcanic ash